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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/789,590 02/27/2004		Jiadong Zhou	NDTCO.018A	7770
20995	20995 7590 10/17/2005		EXAMINER	
KNOBBE MARTENS OLSON & BEAR LLP 2040 MAIN STREET			SCHLAPKOHL, WALTER	
FOURTEEN			ART UNIT	PAPER NUMBER
IRVINE, CA	A 92614		1636	,

DATE MAILED: 10/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/789,590	ZHOU ET AL.				
Office Action Summary	Examiner	Art Unit				
	Walter Schlapkohl	1636	naj			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	dress			
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on 27 Fe	1) Responsive to communication(s) filed on <u>27 February 2004</u> .					
	action is non-final.					
3) Since this application is in condition for allowan		secution as to the	merits is			
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>1-27</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdraw	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.	,					
6) Claim(s) is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) 1-27 are subject to restriction and/or e	election requirement.		•			
Application Papers						
9) The specification is objected to by the Examiner.						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a) ☐ All b) ☐ Some * c) ☐ None of:	,	, (=, =, (-,	,			
1. ☐ Certified copies of the priority documents	s have been received.					
2. Certified copies of the priority documents		on No				
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list	of the certified copies not receive	ed.				
Attachment(s)		•				
1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	Paper No(s)/Mail D	ate	D-152)			
Paper No(s)/Mail Date	6) Other:					

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DETAILED ACTION

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-9, drawn to an siRNA expression cassette, classified in class 435, subclass 320.1.
- II. Claims 10-27, drawn to a kit for gene knock down studies, classified in class 435, subclass 285.1.

The inventions are distinct, each from the other because of the following reasons:

Inventions I-II are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the kit of Group II can be made with a different and distinct siRNA expression cassette and the siRNA expression cassette does not

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require the components of the kit for gene knock down studies.

The subcombination has separate utility such as use as a probe.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classifications and the requirement for separate searches based upon their biological and functional properties, restriction for examination purposes as indicated is proper.

This application contains claims directed to the following patentably distinct species of the claimed invention:

- 1. A promoter for the siRNA expression cassette. If one of Groups I-II is elected, then the species applies and Applicant must elect a promoter to be included in the siRNA expression cassette. For example, choose from claim 4.
- 2. An indicator of cellular delivery. If Group I is elected, then the species applies and Applicant must elect an indicator of cellular delivery of the siRNA expression cassette. For example, choose from claim 6.
- 3. A method of non-invasive diagnosis. If one of Groups
 I-II is elected, then the species applies and Applicant must
 elect the method of non-invasive diagnosis. For example, choose
 from claims 7 or 16.

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4. A nuclear delivery indicator. If Group I is elected, then the species applies and Applicant must elect the sequence encoding the nuclear delivery indicator. For example, choose from claim 8.

- 5. A type of expression for the siRNA expression cassette.

 If Group II is elected, then the species applies and Applicant

 must elect the type of expression for the siRNA expression

 cassette. For example, choose from claim 14.
- 6. An intracellular traffic marker. If Group II is elected, then the species applies and Applicant must elect the intracellular traffic marker to be included. For example, choose from claim 15.
- 7. A transfection agent in the gene knock down kit. If Group II is elected, then the species applies and Applicant must elect the transfection agent to be used in the kit. For example, choose from claim 22.

If a gene delivery enhancer transfection reagent is elected above, a secondary substance must be elected from the following:

- a) an endosomalytic reagent
- b) a nuclear localization element.

If a targeting molecule transfection reagent is elected above, a secondary substance must be elected from the following:

a) a peptide

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- b) a protein
- c) an antibody or its related fragment
- d) a sugar
- e) a synthetic molecule
- 8. A cell culture reagent. If Group II is elected, then the species applies and Applicant must elect a cell culture reagent for the kit. For example, choose from claim 24.
- 9. A targeting molecule. If Group II is elected, then the species applies and Applicant must elect a targeting molecule

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, claims 1 and 10 are generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which

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are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Conclusion

Certain papers related to this application may be submitted to the Art Unit 1636 by facsimile transmission. The faxing of such papers must conform with the notices published in the Official Gazette, 1156 OG 61 (November 16, 1993) and 1157 OG 94 (December 28, 1993) (see 37 C.F.R. § 1.6(d)). The official fax telephone number for the Group is (571) 273-8300. Note: If Applicant does submit a paper by fax, the original signed copy should be retained by Applicant or Applicant's representative.

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NO DUPLICATE COPIES SHOULD BE SUBMITTED so as to avoid the processing of duplicate papers in the Office.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to (571) 272-0547.

Patent applicants with problems or questions regarding electronic images that can be viewed in the Patent Application Information Retrieval system (PAIR) can now contact the USPTO's Patent Electronic Business Center (Patent EBC) for assistance. Representatives are available to answer your questions daily from 6 am to midnight (EST). The toll free number is (866) 217-When calling please have your application serial or patent number, the type of document you are having an image problem with, the number of pages and the specific nature of the problem. The Patent Electronic Business Center will notify applicants of the resolution of the problem within 5-7 business days. Applicants can also check PAIR to confirm that the problem has been corrected. The USPTO's Patent Electronic Business Center is a complete service center supporting all patent business on the Internet. The USPTO's PAIR system provides Internet-based access to patent applications to view the scanned images of their own application file folder(s) as well as general patent information available to the public.

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For all other customer support, please call the USPTO Call Center (UCC) at (800) 786-9199.

Any inquiry concerning rejections or objections in this communication or earlier communications from the examiner should be directed to Walter A. Schlapkohl whose telephone number is (571) 272-4439. The examiner can normally be reached on Monday through Friday from 8:30 AM to 5:00 PM. A phone message left at this number will be responded to as soon as possible (i.e., shortly after the examiner returns to his office.)

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dr. Remy Yucel can be reached at (571) 272-0781.

Walter A. Schlapkohl, Ph.D. Patent Examiner Art Unit 1636

October 1, 2005

TERRY MCKELVEY
PRIMARY EXAMINER

Tenja Milde